Detction of spurious BT Cotton seeds

1344. SHRIMATI N.P. DURGA: Will the Minister of AGRICULTURE be pleased to state:

(a) whether it is a fact that Central Institute for Cotton Research has developed a kit which helps in detecting spurious Bt Cotton seeds;

(b) if so, the details of the research; and

(c) how it exactly helps the illiterate farmers in detecting spurious Bt Cotton seeds?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI HUKUMDEO NARAYAN YADAV): (a) Yes, Sir.

(b) Four kits have been developed to help the detection of spurious Bt. Seeds. Three kits (Bt-express, Bt-Quant and Bt-detect) are based on immunoassays and the fourth kit is through PCR-DNA.

(c) The test can be done in the field or at home on seeds, leaf, stem on any tissue of the plant. The Bt-express kit contains Bt-express strips, plastic vials containing buffer, a plastic pestle and pictorial instructions. For detection in the seed, the seed has to be crushed and seed coat has to be discarded. The white cotyledons are to be placed into a vial containing buffer and crushed well. The Bt-express strip is placed in the vial (dipping the green end of the strip into the solution). After 5 minutes, two purple coloured bands will appear if it is Bt-seed and only one band will appear if it is non-Bt type.

Demand and production of pulses and oilseeds

†1345. SHRI KRIPAL PARMAR: Will the Minister of AGRICULTURE be pleased to state:

(a) the projected demand and actual production of pulses and oilseeds during the last three years and their import, year-wise;

(b) the projected production and demand of oilseeds and pulses for the next three years;

†Original notice of the question was received in Hindi.

(c) the review of schemes implemented for increasing the production of oilseeds and pulses to meet the domestic requirement in the country; and

(d) the details of new schemes/incentives for increasing the production of oilseeds and pulses?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI HUKUMDEO NARAYAN YADAV): (a) The projected demand and actual production along with import of pulses and edible oils during the last 3 years is as under:

PULSES (in lakh tonnes)

Year	Projected Demand	Actual Production	Import
2000-01	139.00	110.70	3.49
2001-02	141.23	131.90	22.18
2002-03	164.29	113.10	18.79

OIL SEEDS *(in lakh tonnes)*

Year	Projected Demand*	Actual Production	Import (Edible Oils
2000-01	208.00	184.37	41.77
2001-02	212.00	208.00	43.22
2002-03	216.00	157.50	42.66

*Based on the demand projections made by Planning Commission for IX Plan.

(b) The production targets for oilseeds and pulses for the next 3 years are as under:

Year	Target for Oilseeds (in lakh tonnes)	Target for Pulses
2003-04	247.00	148.00
2004-05	262.00	153.00
2005-06	278.00	157.00

(c) The Agricultural Finance Corporation (AFC) has been entrusted with the review/evaluation of Oilseeds Production Programme (OPP) and National Pulses Development Project (NPDP). Based on the findings of these review, corrective measures are taken to remove bottlenecks/problems in the implementation of these schemes.

(d) Under these programmes financial assistance on various inputs such as production and distribution of seeds, distribution of seed minikits, distribution of improved farm implements, sprinkler sets, rhyzobium culture and micro nutrients etc. is provided. In order to disseminate the production technology amongst the farmers, front line demonstrations are organized by the ICAR and block demonstrations are organized by the State Department of Agriculture.

Delay in studies of CICEF

1346. DR. A.K. PATEL:
PROF. ALKA BALRAM KSHATRIYA:
SHRI BACHANI LEKHRAJ:

Will the Minister of AGRICULTURE be pleased to state:

(a) whether it is a fact that the feasibility studies being carried out by the Central Institute of Coastal Engineering for Fisheries, Bangalore for designing of Fisheries Harbour Development Works are getting delayed;

(b) if so, the reasons therefor; and

(c) what remedial measures are being proposed by Government in this regard?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI HUKUMDEO NARAYAN YADAV): (a) No, Sir.

(b) and (c) Do not arise.